

# Altair

Subject:

7th Combined Science

Class: Scientific

Investigation I

Date: March 4

2011



Teacher's notes

Objectives

Vocabulary

Link and Learn

Prepared by

## Name a few examples

SCIENCE	NON-SCIENCE

## Name a few examples

SCIENCE	NON-SCIENCE

## *Then, What makes Science become a Science?*

1.

2.

3.

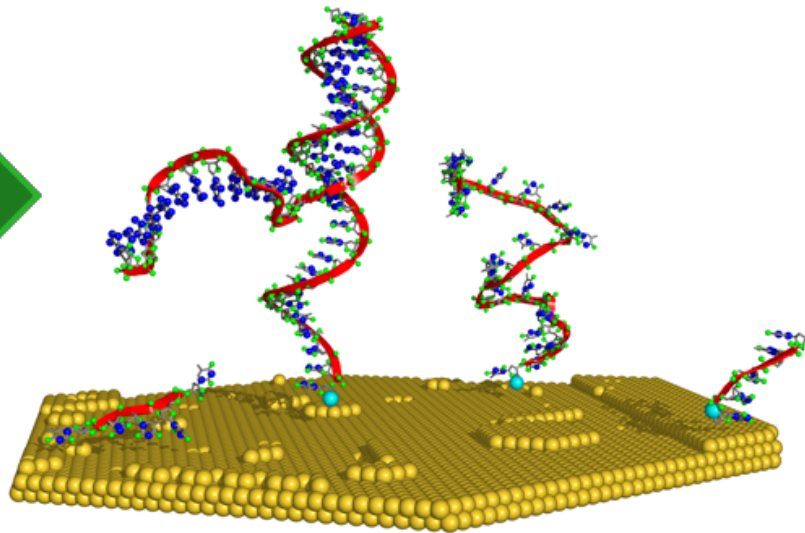
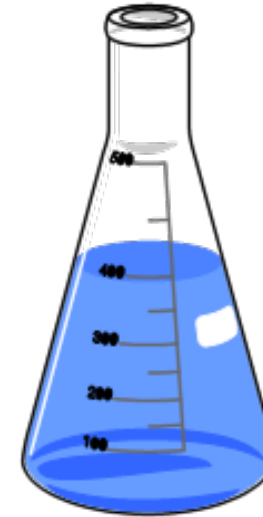
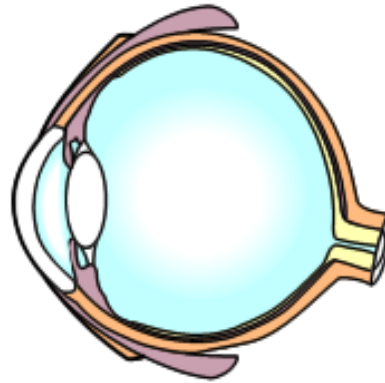
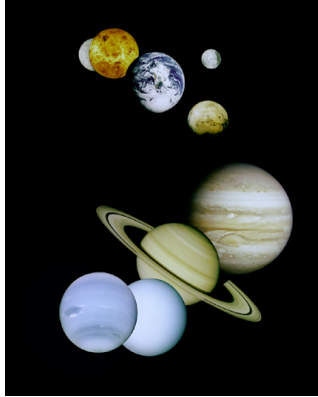
4.

5.

6.



# *Which of these items is related to Science?*

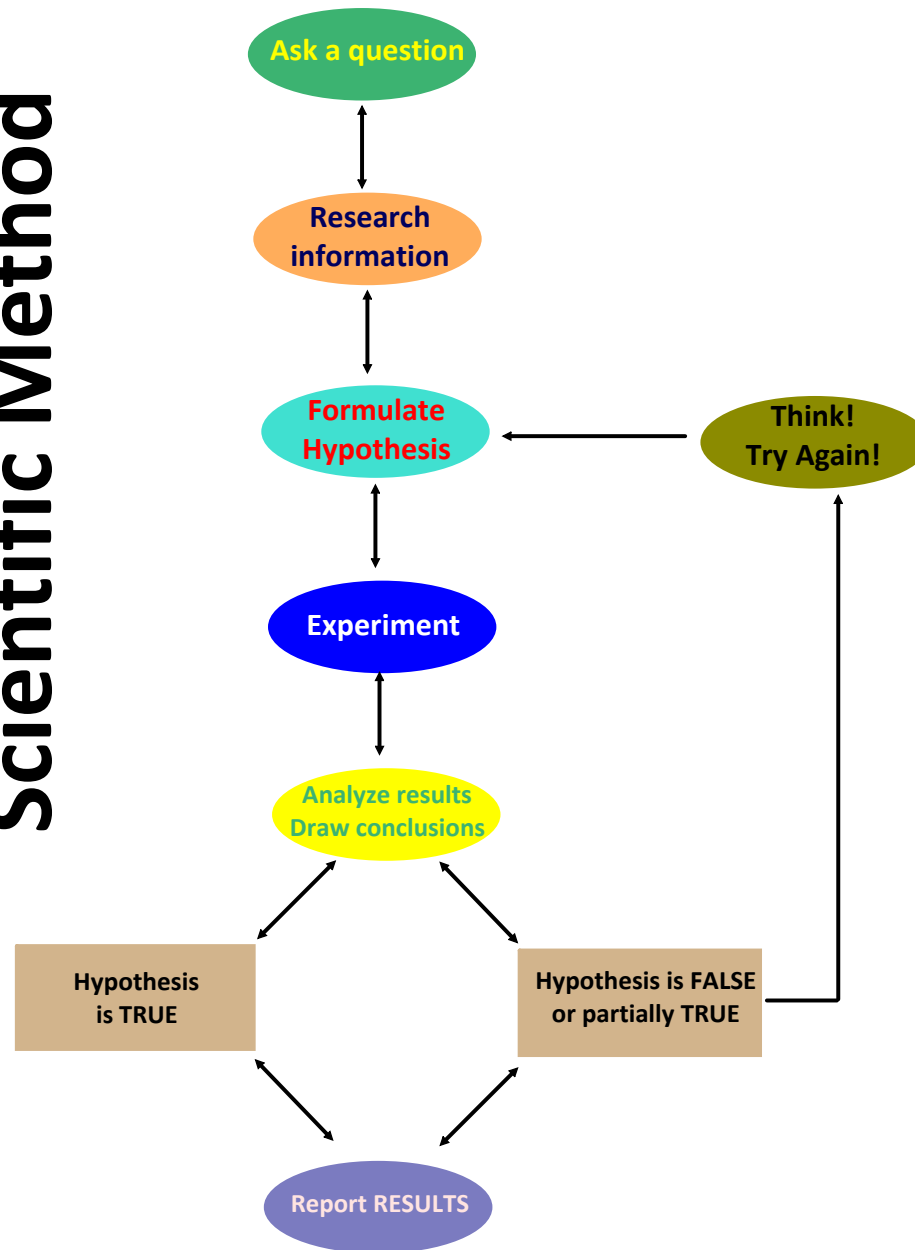


None of them

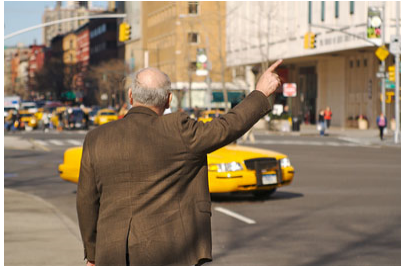
All of them

*Name the disciplines you consider Scientific*

# Scientific Method



**How can you apply the Scientific Method in your daily life?**



Hailing a Cab



Changing a  
light bulb



Just.....relaxing in the pool!!



Oops....  
I think I lost my job after this.



How can you apply the Scientific Method in your *serious* daily life?



**How can you apply the Scientific Method in your *serious* daily life?**



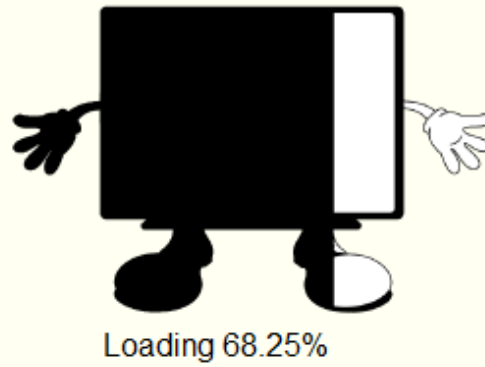
## Groups for 7th A

### Random Group Generator

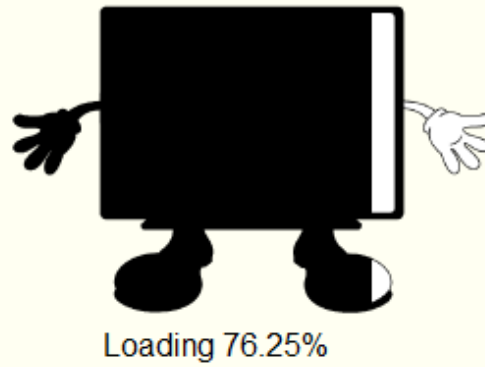
1.0


Number of groups

## Groups for 7th B



## Groups for 7th C



## Applying the Scientific Method to your daily and academic life

- 2 min** 1. Get a piece of paper and write the following:
- 10 min** 2. Think of 3 possible observations/problems to apply the Scientific Method.
- 3 min** 3. Choose the best option from the 3 possibilities.
- 25 min** 4. Follow the scientific method to solve or prove the chosen topic.
- 10 min** 5. The best topic will be selected to be performed as a lab practice.



# 7th A - Observation/Problem

# 7th B - Observation/Problem



# 7th C - Observation/Problem

# 7th A - Question to investigate

# 7th B - Question to investigate

# 7th C - Question to investigate

## Teacher's Notes

This class has been designed to cover the topics of *Scientific Method* from Monday, February 28th till Friday, March 4th.

For further knowledge about this topic:

1. Conduct a thorough search under the topic: *Scientific Method* on the Web, books and magazines.
2. If findings are not specific, ask your teacher for suggestions.

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# Objectives

- Identify and describe the steps taken to generate knowledge based on an organized scientific method.
- Follow the steps of the scientific method to generate answers for questions or situations identified to be .
- Analyze the importance of the Scientific Method.

**Note:** *All, or most, of the objectives will be covered during class time, however the student must be responsible for those objectives not covered or concluded.*

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# Vocabulary

- Scientific Method:
- Observation:

**Note:** *Most of the vocabulary words will be covered during class time, however the student must be responsible for those words not covered or concluded.*

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## Link and Learn

You can visit the following websites to improve your understanding on the present topic:

- [www.scientificmethod.com](http://www.scientificmethod.com)
- [www.studygs.net/scimethod.htm](http://www.studygs.net/scimethod.htm)
- <http://science-altair.wikispaces.com>
- <http://learningandscience.blogspot.com>

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Twitter: <http://twitter.com/glazaro>

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## Resources Used

Slide (Group)	Resource	Description	Origin
<b>G1 - 2</b>	<b>Image</b>	<b>Beethoven</b>	<a href="http://bit.ly/Q7ggk">http://bit.ly/Q7ggk</a>
<b>G1 - 3</b>	<b>Image</b>	<b>Mozart</b>	<a href="http://bit.ly/18LkW6">http://bit.ly/18LkW6</a>
<b>G1 - 5</b>	<b>Images</b>	Hailing a cab Changing a light bulb Having fun in the pool Moving a missile	<a href="http://bit.ly/Jl8YN">http://bit.ly/Jl8YN</a> <a href="http://bit.ly/Zx9i">http://bit.ly/Zx9i</a> <a href="http://bit.ly/1921Bk">http://bit.ly/1921Bk</a> <a href="http://www.micom.net/oops/">http://www.micom.net/oops/</a>
<b>G1 - 6</b>	<b>Images</b>	Planting a tree Investigating materials Investigating a crime	<a href="http://bit.ly/Botlh">http://bit.ly/Botlh</a> <a href="http://bit.ly/hYPnd">http://bit.ly/hYPnd</a> <a href="http://bit.ly/19yDyz">http://bit.ly/19yDyz</a>

